CLAIMS:

The following listing of claims is provided for the courtesy of the Examiner and the Office and depicts the current version of the claims and replaces all prior versions, and listings, of claims in the application.

Listing of Claims:

1.   (Previoulsy Amended)   A system for assisting a diabetic subject in controlling blood glucose levels, the system comprising:
   a.   an insulin delivery unit;
   b.   a blood glucose monitor;
   c.   a master module that includes a processor that is configured to receive a blood glucose value from the blood glucose monitor and to run a model that predicts a future glucose value and compares that value with a target value and then predict a dose of insulin that will result in an acceptable blood glucose level and transmit the predicted dose of insulin to the insulin delivery unit.

2.   (Original)   The system of claim 1, wherein the processor is configured to receive other data from the subject.

3.   (Original)   The system of claim 2 wherein the data includes information on size and type of meal to be ingested and anticipated duration and intensity of exercise.

4. – 8. (Previously Canceled)

9.   (Previously Presented) A system for providing glycemic control to a subject, the system comprising:
   an insulin delivery unit,
   a glucose sensor,
   a control unit including a processor unit that receives glucose value readings from the

glucose sensor, executes an algorithm that predicts a glucose value at a pre-determined time in the future, compares that predicted glucose value to a pre-determined glucose value range, and determines a corrective amount of insulin to be administered when the predictive glucose value lies outside of the pre-determined glucose value range and a communication unit that transmits the corrective amount to the delivery unit.